

DESCRIPTION OF A NEW SPECIES OF CYPRINOID FISH, *COUESIUS GREENI*, FROM THE HEAD WATERS OF FRAZER RIVER IN BRITISH COLUMBIA.

BY

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COUESIUS GREENI, sp. nov.

Head $4\frac{1}{10}$ in length; depth, $4\frac{1}{10}$. D. 8; A. 8. Scales, 10-57-7. Teeth, 2-4-4-2. Length of largest specimen, $6\frac{1}{2}$ inches.

Body robust, the back convex before the dorsal, the profile of head straight and rather steep, the space between eyes broad and flattish, $3\frac{1}{4}$ in head. Snout bluntish, but rather long, $3\frac{3}{4}$ in head; the premaxillary just above the level of the lower part of the pupil; maxillary reaching almost to the front of the orbit, $3\frac{3}{4}$ in head; barbel well developed, not quite at the end of the maxillary; its length considerably less than that of pupil. Mouth moderately oblique, the lower jaw slightly included. Dorsal fin inserted behind the base of the ventrals and behind the middle of the body at a point midway between the preopercle and the base of the caudal, the fin of moderate height. Pectoral shortish, $1\frac{1}{2}$ in head, ventrals nearly 2. Caudal well forked, the lobes equal, $1\frac{2}{5}$ in head. Scales larger than in related species, scarcely reduced forward and but little smaller on the back than on the sides; 36 scales in front of the dorsal. Color dark olive above, the sides reddish, silvery. Very slight traces of a lateral band, a dark streak below the eye undulating and extending from the side of the upper jaw to the opercle. Lining of shoulder gradually dusky. Fins without definite markings, the upper somewhat dusky.

This species is related to *Couesius plumbeus* of the Upper Missouri and Lake Superior region, from which species it differs in the larger size of the scales and in some details of form. The head is especially large and heavy.

Two specimens of this species were received from Mr. Ashdown H. Green, of Victoria; the larger specimen, measuring $6\frac{1}{2}$ inches, is in the museum of the Leland Stanford Jr. University; the second specimen, measuring $3\frac{5}{8}$ inches in length, has been sent to the U. S. National Museum. The specimens were obtained by Mr. Green in Stuarts Lake, near Fort St. James, in British Columbia. This lake is near the head waters of Frazer's River. Mr. Green says: "I am told that this is the only lake, in that part of the country at least, where these fishes are found."

We received at the same time from Mr. Green a specimen of the small land-locked salmon, *Oncorhynchus kennerlyi*, obtained by him in Shawnigan Lake. This lake lies about 20 miles north of Victoria and has no connection with the sea.

I have also received from Mr. Green the skin of a large, white sea bass, *Cynoscion nobilis*, taken in Sooke Harbor, 20 miles east of Victoria. The fish weighed 45 pounds. It was found on the top of the water in distress, its pectoral and caudal fins having been bitten by the dog-fish sharks. This species had not previously been taken much north of San Francisco, and its occurrence in Puget Sound is remarkable.

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